

November 25, 2003  
Case No. PHB 34,367 (7790/175)  
Serial No.: 09/616,635  
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**CLAIM LISTING**

A listing of the entire set of pending claims 1-18 is submitted herewith per 37 CFR 1.121. This listing of claims 1-18 will replace all prior versions, and listings, of claims in the application.

1. (Previously Presented) A body-worn personal communications apparatus, comprising:

a physically-shortened electric antenna;

a transceiver connected to said physically-shortened electric antenna;

a microphone connected to said transceiver; and

a casing,

wherein said transceiver is disposed within said casing,

wherein said physically-shortened electric antenna is mounted on said casing, and

wherein said microphone is mounted on said physically-shortened antenna.

2. (Previously Presented) The apparatus of claim 1, wherein said physically-shortened electric antenna is a helical antenna.

3. (Previously Presented) The apparatus of claim 1, wherein said physically-shortened electric antenna is a meander-line antenna.

4. (Previously Presented) The apparatus of claim 1, wherein said physically-shortened electric antenna is mounted transversely to a plane through said casing.

5. (Previously Presented) The apparatus of claim 1, wherein said microphone is located at an end of said physically-shortened electric antenna furthest from said casing.

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6. (Previously Presented) The apparatus of claim 5, wherein said physically-shortened electric antenna is formed from a coaxial cable that provides electrical connections between said microphone and said transceiver.
7. (Previously Presented) The apparatus of claim 5, wherein said physically-shortened electric antenna is formed from a hollow wire,  
wherein a first electrical connection between said microphone and said transceiver is provided by said hollow wire, and  
wherein a second electrical connection between said microphone and said transceiver is provided by a conductor enclosed by said hollow wire.
8. (Previously Presented) The apparatus of claim 6, wherein said microphone provides a low impedance at radio frequencies to thereby enable said coaxial cable forming said physically-shortened electric antenna to act as an inductive stub.
9. (Previously Presented) The apparatus of claim 5, wherein said microphone provides a top loading to said physically-shortened electric antenna.
10. (Previously Presented) A body-worn personal communications apparatus, comprising:  
a casing;  
a physically-shortened electric antenna mounted on said casing; and  
a microphone mounted on said physically-shortened electric antenna.
11. (Previously Presented) The apparatus of claim 10, wherein said physically-shortened electric antenna is a helical antenna.
12. (Previously Presented) The apparatus of claim 10, wherein said physically-shortened electric antenna is a meander-line antenna.

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13. (Previously Presented) The apparatus of claim 10, wherein said physically-shortened electric antenna is mounted transversely to a plane through said casing.

14. (Previously Presented) The apparatus of claim 10, wherein said microphone is located at an end of said physically-shortened electric antenna furthest from said casing.

15. (Previously Presented) The apparatus of claim 10, further comprising:  
a transceiver,

wherein said physically-shortened electric antenna is formed from a coaxial cable that provides electrical connections between said microphone and said transceiver.

16. (Previously Presented) The apparatus of claim 15, wherein said microphone provides a low impedance at radio frequencies to thereby enable said coaxial cable forming said physically-shortened electric antenna to act as an inductive stub.

17. (Previously Presented) The apparatus of claim 10, further comprising:  
a transceiver,

wherein said physically-shortened electric antenna is formed from a hollow wire,

wherein a first electrical connection between said microphone and said transceiver is provided by said hollow wire, and

wherein a second electrical connection between said microphone and said transceiver is provided by a conductor enclosed by said hollow wire.

18 (Previously Presented) The apparatus of claim 10, wherein said microphone provides a top loading to said physically-shortened electric antenna.